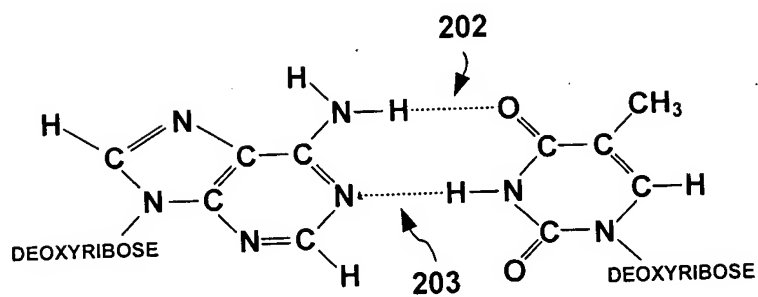
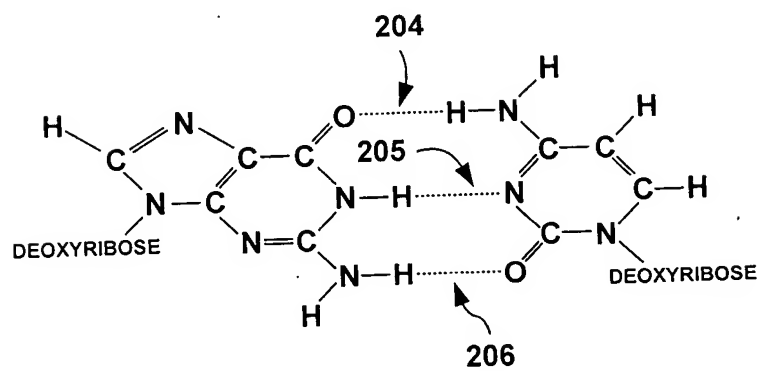


Figure 1

**Figure 2A****Figure 2B**

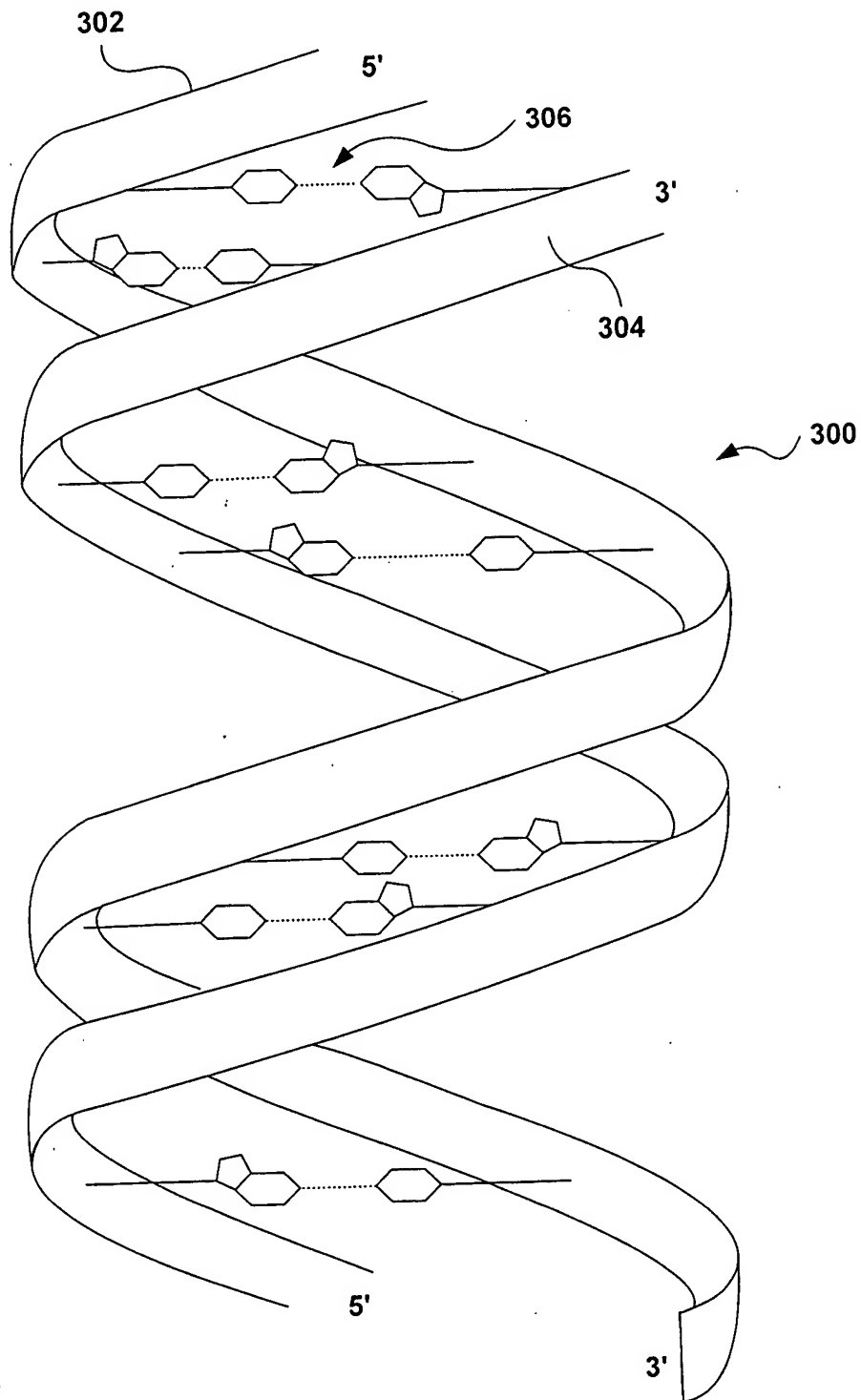


Figure 3

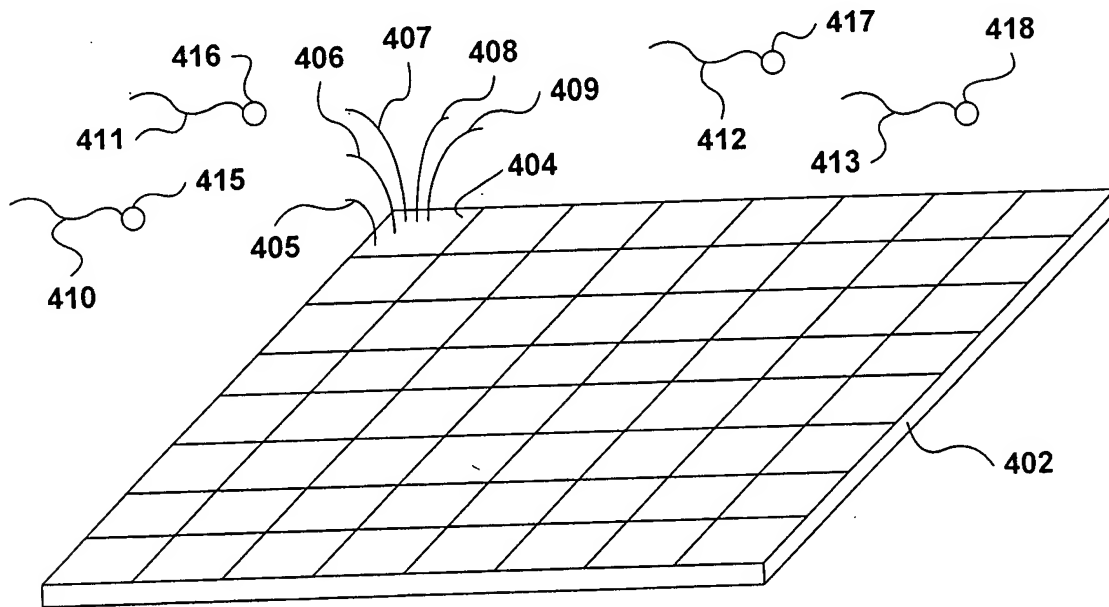


Figure 4

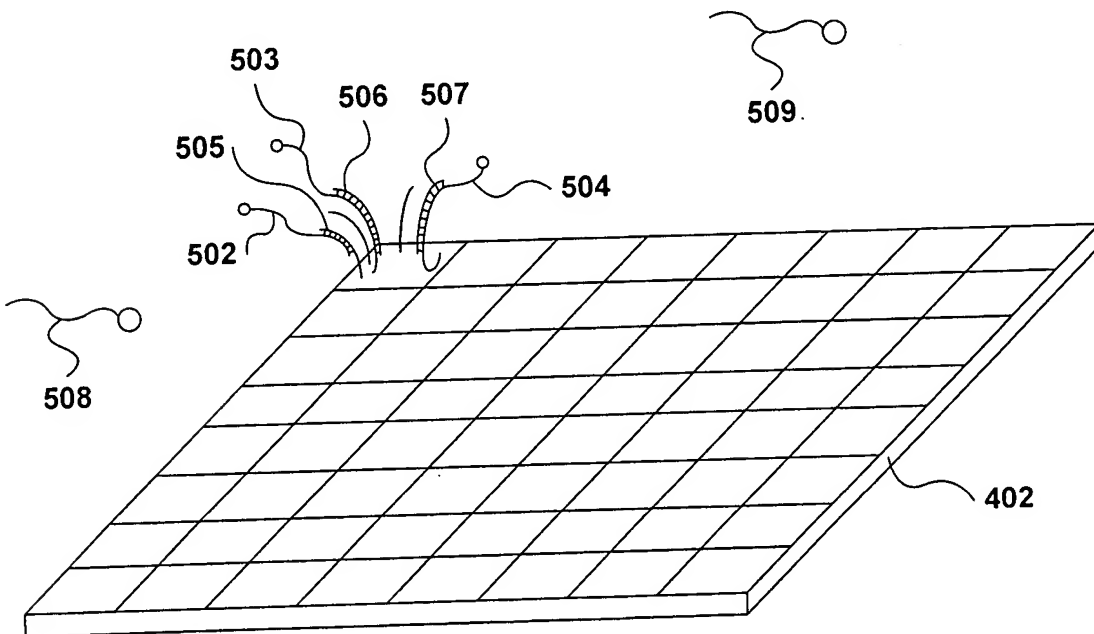


Figure 5

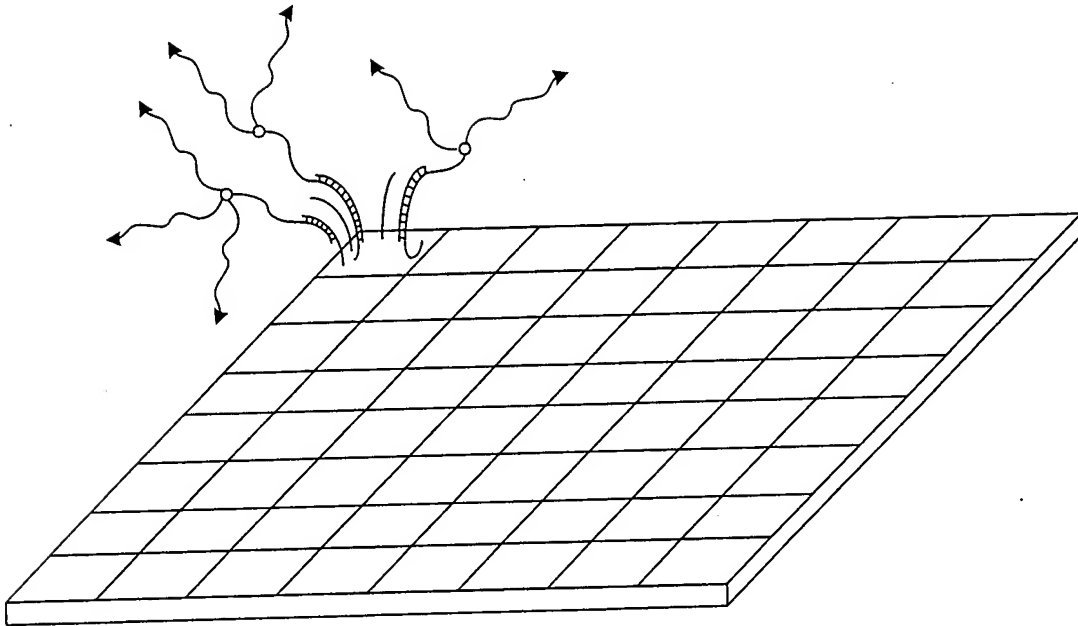


Figure 6

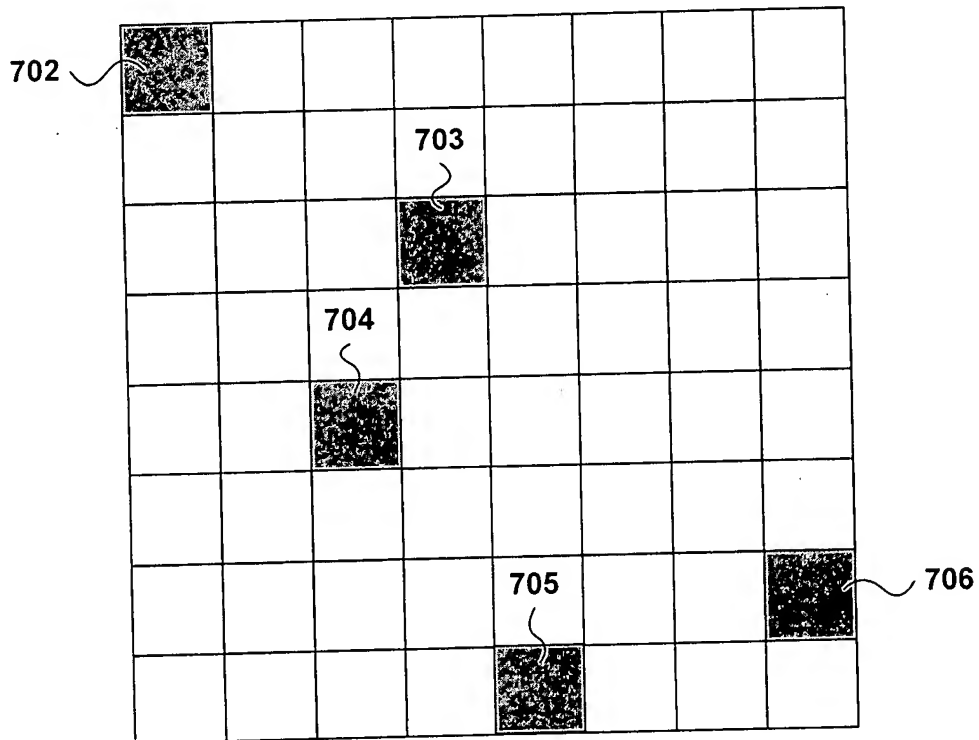


Figure 7

Replacement Sheet

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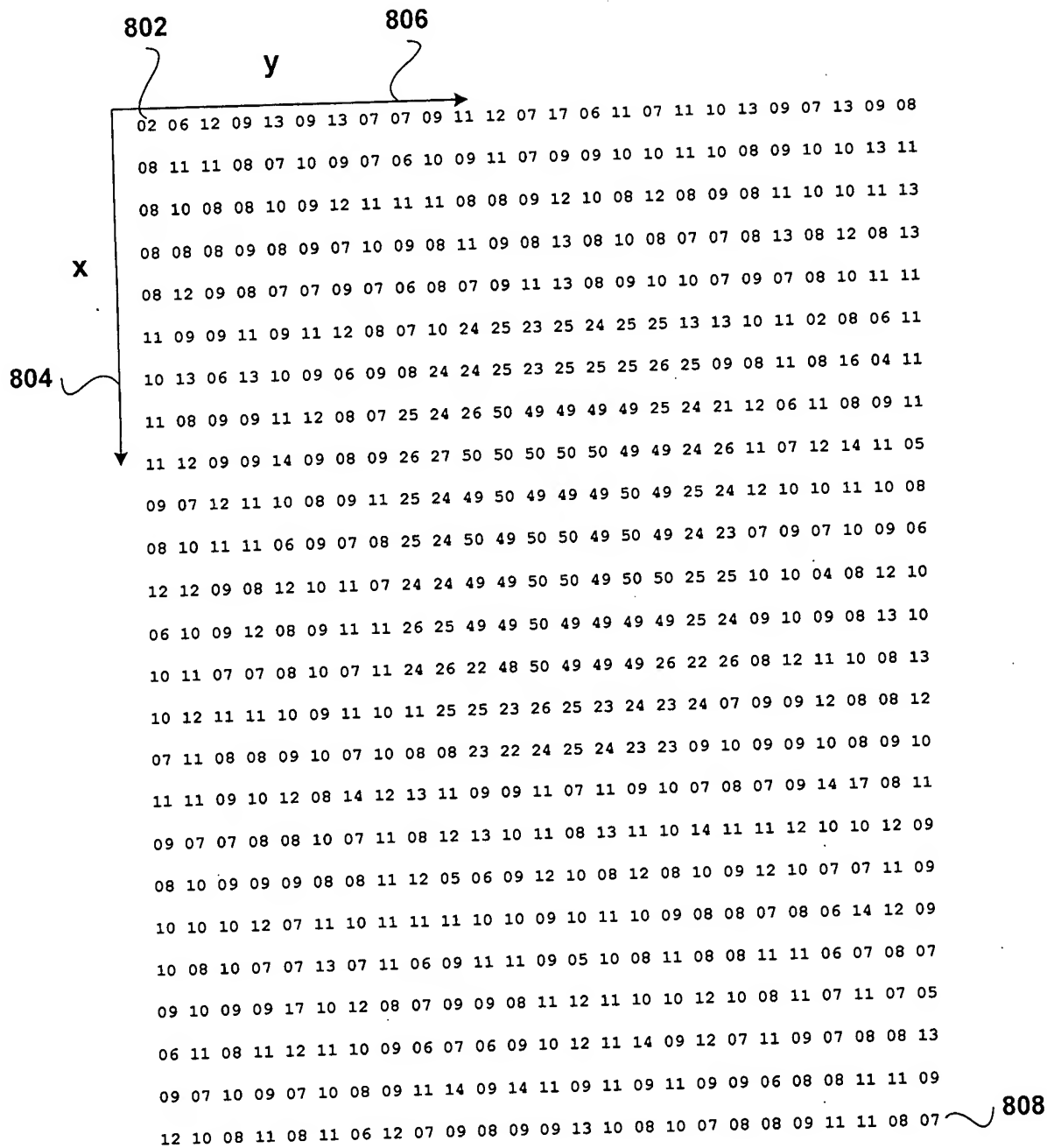


Figure 8A

10030722-1

y

x

02 06 12 09 13 09 13 07 07 09 11 12 07 17 06 11 07 11 10 13 09 07 13 09 08
08 11 11 08 07 10 09 07 06 10 09 11 07 09 09 10 10 11 10 08 09 10 10 13 11
08 10 08 08 10 09 12 11 11 11 08 08 09 12 10 08 12 08 09 08 11 10 10 11 13
08 08 08 09 08 09 07 10 09 08 11 09 08 13 08 10 08 07 07 08 13 08 12 08 13
08 12 09 08 07 07 09 07 06 08 07 09 11 13 08 09 10 10 07 09 07 08 10 11 11
11 09 09 11 09 11 12 08 07 10 24 25 23 25 24 25 25 13 13 10 11 02 08 06 11
10 13 06 13 10 09 06 09 08 24 24 25 23 25 25 25 26 25 09 08 11 08 16 04 11
11 08 09 09 11 12 08 07 25 24 26 50 49 49 49 49 25 24 21 12 06 11 08 09 11 **810**
11 12 09 09 14 09 08 09 26 27 50 50 50 50 50 49 49 24 26 11 07 12 14 11 05
09 07 12 11 10 08 09 11 25 24 49 50 49 49 49 50 49 25 24 12 10 10 11 10 08
08 10 11 11 06 09 07 08 25 24 50 49 50 50 49 50 49 24 23 07 09 07 10 09 06
12 12 09 08 12 10 11 07 24 24 49 49 50 50 49 50 50 25 25 10 10 04 08 12 10 **812**
06 10 09 12 08 09 11 11 26 25 49 49 50 49 49 49 49 25 24 09 10 09 08 13 10
10 11 07 07 08 10 07 11 24 26 22 48 50 49 49 49 26 22 26 08 12 11 10 08 13
10 12 11 11 10 09 11 10 11 25 25 23 26 25 23 24 23 24 07 09 09 12 08 08 12
07 11 08 08 09 10 07 10 08 08 23 22 24 25 24 23 23 09 10 09 09 10 08 09 10 **814**
11 11 09 10 12 08 14 12 13 11 09 09 11 07 11 09 10 07 08 07 09 14 17 08 11
09 07 07 08 08 10 07 11 08 12 13 10 11 08 13 11 10 14 11 11 12 10 10 12 09
08 10 09 09 09 08 08 11 12 05 06 09 12 10 08 12 08 10 09 12 10 07 07 11 09
10 10 10 12 07 11 10 11 11 11 10 10 09 10 11 10 09 08 08 07 08 06 14 12 09
10 08 10 07 07 13 07 11 06 09 11 11 09 05 10 08 11 08 08 11 11 06 07 08 07
09 10 09 09 17 10 12 08 07 09 09 08 11 12 11 10 10 12 10 08 11 07 11 07 05
06 11 08 11 12 11 10 09 06 07 06 09 10 12 11 14 09 12 07 11 09 07 08 08 13
09 07 10 09 07 10 08 09 11 14 09 14 11 09 11 09 11 09 09 06 08 08 11 11 09
12 10 08 11 08 11 06 12 07 09 08 09 09 13 10 08 10 07 08 08 09 11 11 08 07

Figure 8B

Replacement Sheet

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05 09 09 06 10 10 13 13 13 10 10 11 08 09 09 06 12 10 05 11 09 10 12 08 09
10 08 07 09 09 09 10 08 09 09 09 12 08 06 09 08 11 13 09 09 12 12 09 15 11
10 11 10 08 09 09 12 08 06 10 11 13 07 11 07 10 11 11 08 11 11 09 09 13 08
06 11 12 12 09 07 10 08 02 07 11 11 10 09 08 06 09 10 11 09 11 09 10 07 12
10 13 10 08 09 08 11 12 09 10 09 10 06 12 10 06 12 10 08 08 09 06 07 09 14
09 10 10 11 06 10 07 07 10 07 10 10 09 09 10 12 08 12 08 07 06 08 12 08 14
11 10 08 10 09 08 09 08 09 09 10 10 09 09 10 11 09 09 09 12 11 08 10 06 09
10 10 07 08 08 10 10 10 10 09 10 20 19 20 19 19 09 09 09 11 08 12 12 10 10
09 07 07 09 09 10 08 12 12 09 19 20 20 19 20 19 20 08 08 07 12 10 10 10 10
09 09 09 12 09 11 08 09 10 08 19 19 20 19 19 20 20 10 10 17 09 11 09 11 08
11 09 07 08 09 08 10 08 08 10 20 20 21 20 19 20 20 10 09 08 09 08 08 06 11
09 12 10 11 09 10 11 04 10 09 19 21 19 19 19 18 20 11 10 08 10 06 05 12 10
06 08 09 08 11 07 11 10 10 09 19 19 19 19 20 20 20 11 08 11 08 10 12 08 11
08 09 11 08 07 10 09 10 11 11 10 19 20 19 20 20 09 08 11 09 09 13 10 07 13
08 08 09 10 11 07 08 09 10 07 10 09 10 08 09 10 11 11 10 13 10 08 10 08 09
10 12 11 07 09 06 09 06 11 09 10 11 06 11 10 09 11 08 09 10 04 17 07 11 08
08 13 08 11 11 08 11 14 09 06 08 15 11 08 13 10 12 11 10 10 09 13 08 09 12
07 10 10 13 10 12 13 10 09 14 12 09 08 13 09 09 07 12 12 09 09 13 10 12 07
12 10 11 06 11 13 08 11 10 09 09 11 11 11 10 10 09 08 09 11 08 06 11 06 12
10 09 11 11 12 08 08 08 08 15 10 10 06 10 13 07 11 11 08 09 07 06 07 08 10
12 11 06 09 07 11 09 09 08 07 09 09 09 07 10 11 11 12 08 09 07 10 07 13 06
13 05 10 08 08 08 10 11 06 08 05 12 04 13 09 02 10 09 12 10 09 12 10 09 06
09 08 12 12 11 08 11 12 06 06 09 10 07 08 07 08 07 09 09 12 07 09 07 09 10
09 10 09 11 09 10 11 11 12 09 06 08 08 11 09 09 08 12 06 13 07 09 11 10 09
08 13 09 08 06 09 06 10 09 09 10 11 08 11 07 07 09 09 15 15 10 12 12 07 09

Figure 8C

Replacement Sheet

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05 09 09 06 10 10 13 13 13 10 10 11 08 09 09 06 12 10 05 11 09 10 12 08 09
10 08 07 09 09 09 10 08 09 09 09 12 08 06 09 08 11 13 09 09 12 12 09 15 11
10 11 10 08 09 09 12 08 06 10 11 13 07 11 07 10 11 11 08 11 11 09 09 13 08
06 11 12 12 09 07 10 08 02 07 11 11 10 09 08 06 09 10 11 09 11 09 10 07 12
10 13 10 08 09 08 11 12 09 10 09 10 06 12 10 06 12 10 08 08 09 06 07 09 14
09 10 10 11 06 10 07 07 10 07 10 10 09 09 10 12 08 12 08 07 06 08 12 08 14
11 10 08 10 09 08 09 08 09 09 10 10 09 09 10 11 09 09 09 12 11 08 10 06 09
10 10 07 08 08 10 10 10 10 09 10 20 19 20 19 19 09 09 09 11 08 12 12 10 10
09 07 07 09 09 10 08 12 12 09 19 20 20 19 20 19 20 08 08 07 12 10 10 10 10
09 09 09 12 09 11 08 09 10 08 19 19 20 19 19 20 20 10 10 17 09 11 09 11 08
11 09 07 08 09 08 10 08 08 10 20 20 21 20 19 20 20 10 09 08 09 08 08 06 11
09 12 10 11 09 10 11 04 10 09 19 21 19 19 19 18 20 11 10 08 10 06 05 12 10
06 08 09 08 11 07 11 10 10 09 19 19 19 19 20 20 20 11 08 11 08 10 12 08 11
08 09 11 08 07 10 09 10 11 11 10 19 20 19 20 20 09 08 11 09 09 13 10 07 13
08 08 09 10 11 07 08 09 10 07 10 09 10 08 09 10 11 11 10 13 10 08 10 08 09
10 12 11 07 09 06 09 06 11 09 10 11 06 11 10 09 11 08 09 10 04 17 07 11 08
08 13 08 11 11 08 11 14 09 06 08 15 11 08 13 10 12 11 10 10 09 13 08 09 12
07 10 10 13 10 12 13 10 09 14 12 09 08 13 09 09 07 12 12 09 09 13 10 12 07
12 10 11 06 11 13 08 11 10 09 09 11 11 11 10 10 09 08 09 11 08 06 11 06 12
10 09 11 11 12 08 08 08 08 15 10 10 06 10 13 07 11 11 08 09 07 06 07 08 10
12 11 06 09 07 11 09 09 08 07 09 09 09 07 10 11 11 12 08 09 07 10 07 13 06
13 05 10 08 08 08 10 11 06 08 05 12 04 13 09 02 10 09 12 10 09 12 10 09 06
09 08 12 12 11 08 11 12 06 06 09 10 07 08 07 08 07 09 09 12 07 09 07 09 10
09 10 09 11 09 10 11 11 12 09 06 08 08 11 09 09 08 12 06 13 07 09 11 10 09
08 13 09 08 06 09 06 10 09 09 10 11 08 11 07 07 09 09 15 15 10 12 12 07 09

Figure 8D

Replacement Sheet

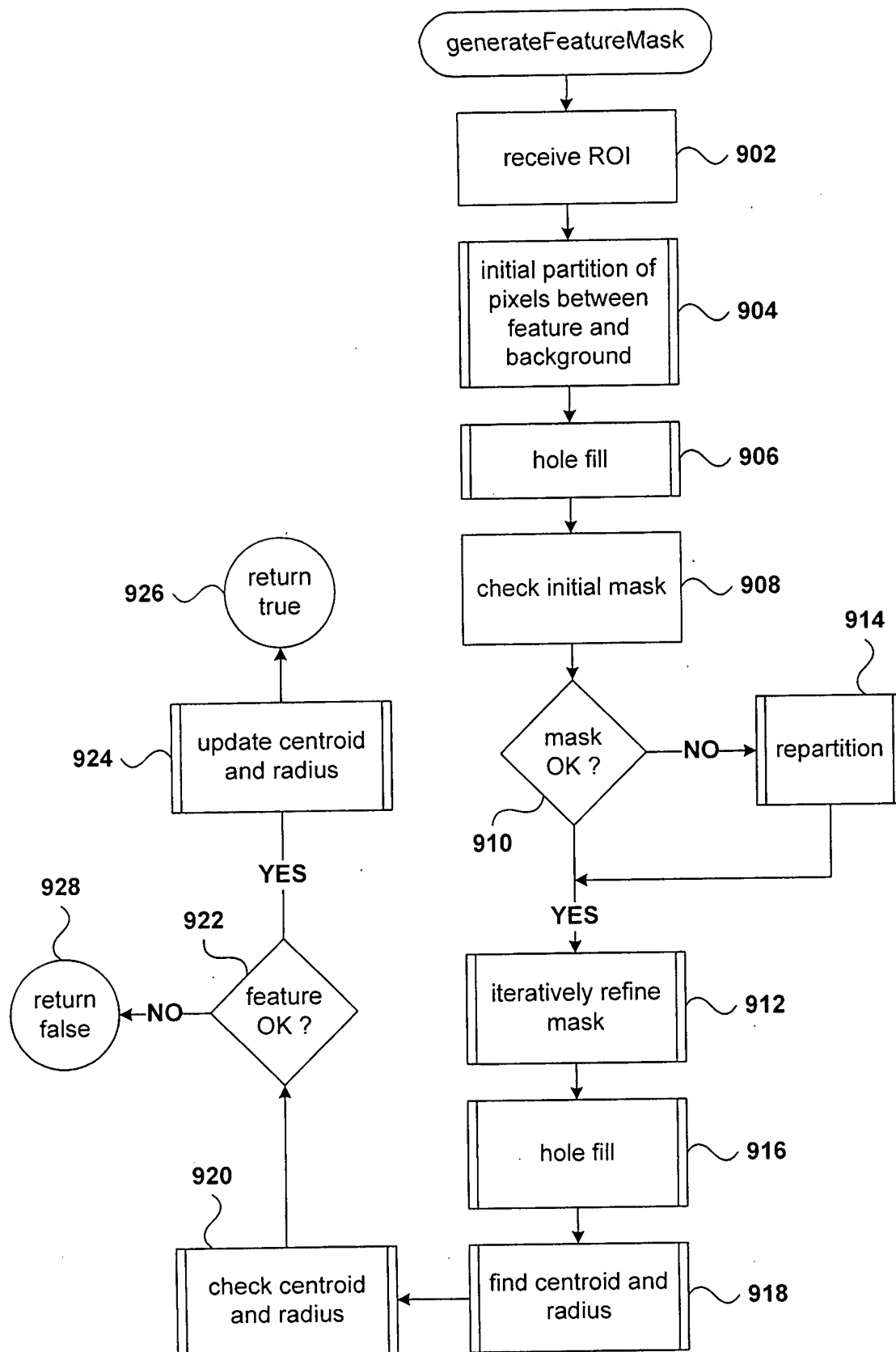
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12 09 10 10 08 09 12 11 09 07 09 08 09 10 17 12 05 11 06 09 10 09 11 08 11
13 10 10 09 11 10 11 10 11 10 04 07 09 10 13 09 08 09 12 08 06 14 11 13 09
09 07 08 10 14 09 07 07 09 12 06 17 08 10 09 07 06 10 09 08 08 08 10 07 10
10 11 10 09 07 06 07 14 09 10 06 10 10 14 09 07 08 08 06 12 09 17 08 07 07
11 11 12 09 02 10 11 14 11 08 09 10 07 09 10 08 10 09 13 10 08 09 11 11 09
07 08 11 10 12 11 10 13 08 08 07 07 07 07 06 06 13 02 07 06 11 12 05 05
11 17 11 08 08 10 07 10 12 07 05 08 08 07 08 08 07 06 10 11 09 13 12 11 11
10 08 11 10 10 07 08 09 08 09 07 15 14 15 15 15 06 08 06 09 10 10 12 08 11
12 11 11 10 06 09 12 10 07 06 14 14 14 15 14 16 15 06 08 12 12 11 08 08 05
11 09 09 06 11 08 09 14 07 07 15 16 14 14 15 15 15 06 07 10 07 11 13 12 11
10 08 11 09 12 09 09 08 07 06 15 14 15 14 15 15 14 08 08 09 08 11 13 12 12
06 11 11 02 08 05 09 08 07 08 15 14 15 14 14 15 14 08 06 07 11 07 11 10 08
11 10 13 12 08 08 10 07 08 09 14 14 14 15 15 15 15 07 07 06 10 09 07 11 09
14 09 11 12 10 13 10 11 07 06 05 14 14 15 15 14 07 08 07 06 09 10 09 10 09
05 10 08 09 14 07 10 06 08 07 07 06 07 07 06 07 08 08 11 13 11 08 07 12 07
08 12 07 08 11 10 10 11 07 08 05 08 07 06 08 08 07 11 12 09 11 13 07 09 02
09 10 11 12 09 10 06 12 11 09 10 14 12 09 08 07 07 11 10 10 10 08 10 10 10
10 09 07 09 08 05 08 09 11 10 11 07 11 12 10 12 11 12 11 10 10 11 11 10 11
12 08 07 07 07 13 10 09 12 12 07 12 05 12 08 12 07 10 12 07 10 12 05 10 06
09 11 09 07 09 10 09 09 08 07 09 12 06 06 12 11 08 10 11 13 09 10 10 10 09
13 11 11 12 07 07 08 06 11 09 12 10 10 09 08 10 09 12 08 12 09 06 08 08 13
13 09 08 11 06 07 08 06 09 08 12 10 12 11 10 15 08 10 09 08 12 10 07 02 09
09 11 11 11 12 12 11 05 09 10 08 09 09 10 07 11 09 13 08 10 08 09 10 08 07
11 07 11 09 08 13 09 13 08 12 10 13 10 12 08 08 10 09 09 10 11 09 10 09 10
12 10 09 08 07 10 09 11 12 09 08 08 09 06 09 11 07 05 07 08 12 09 08 11 14

Figure 8E

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**Figure 9**

Replacement Sheet

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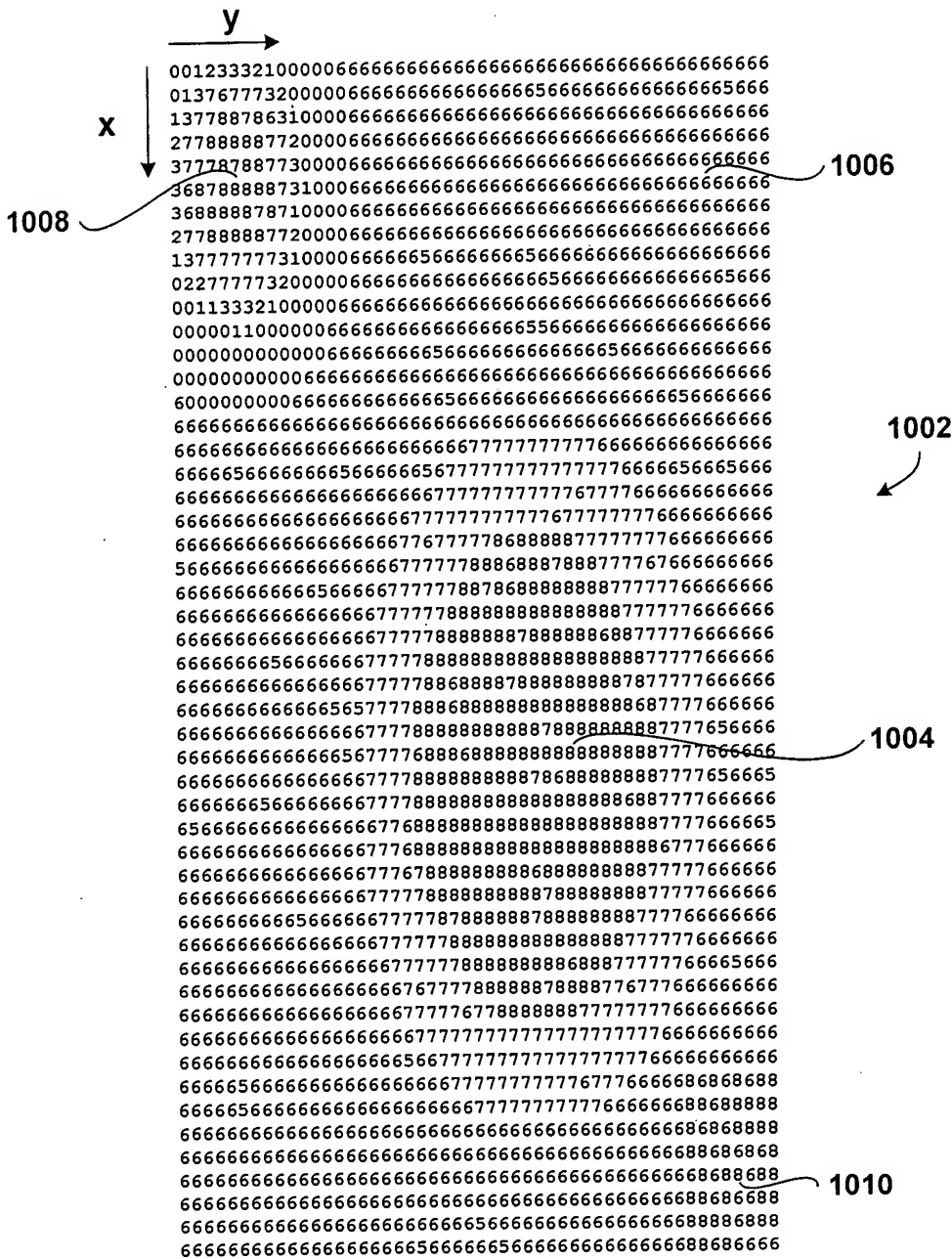


Figure 10

10030722-1

1008

1102

1004

1010

Figure 11

10030722-1

[illegible]

Figure 12

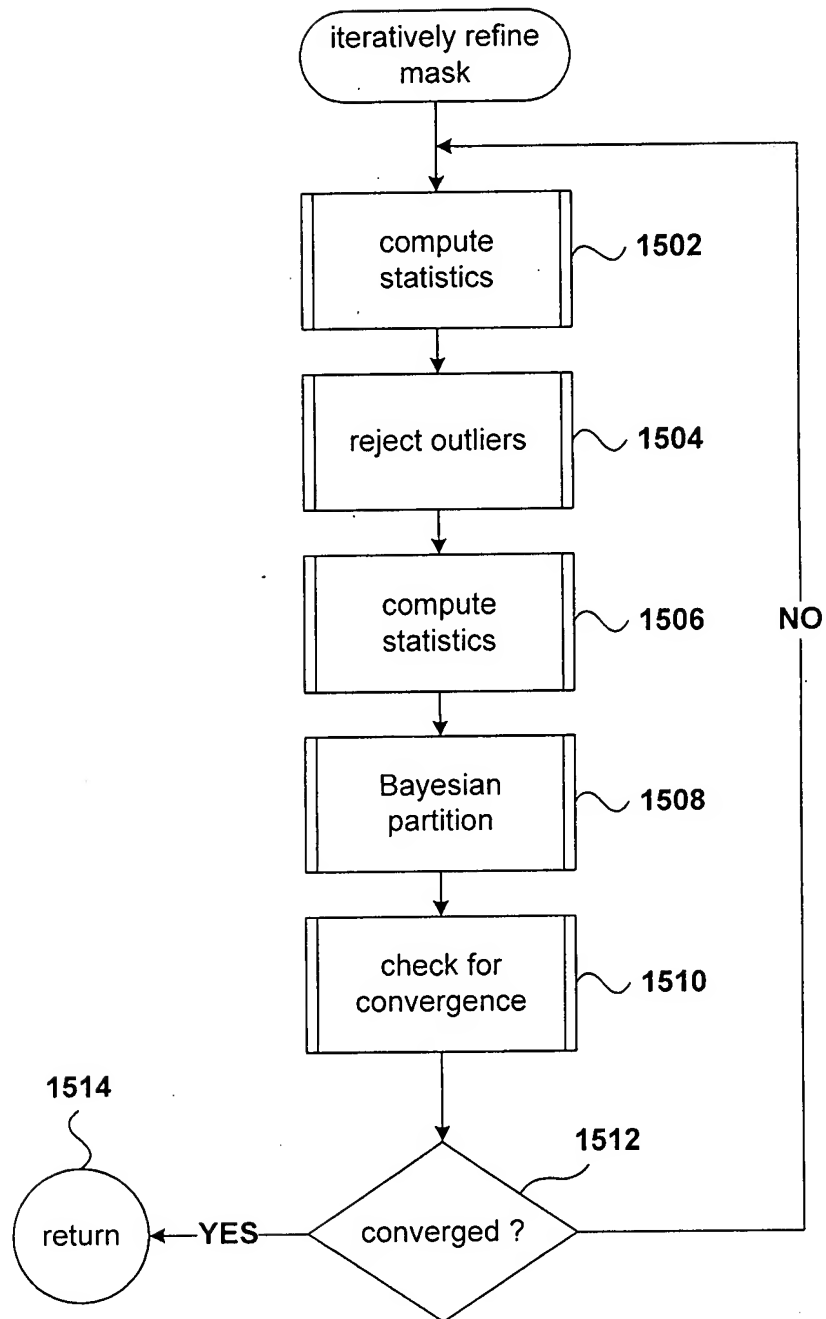
Figure 13

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[illegible]

Figure 14

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**Figure 15**

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[illegible]

Figure 16

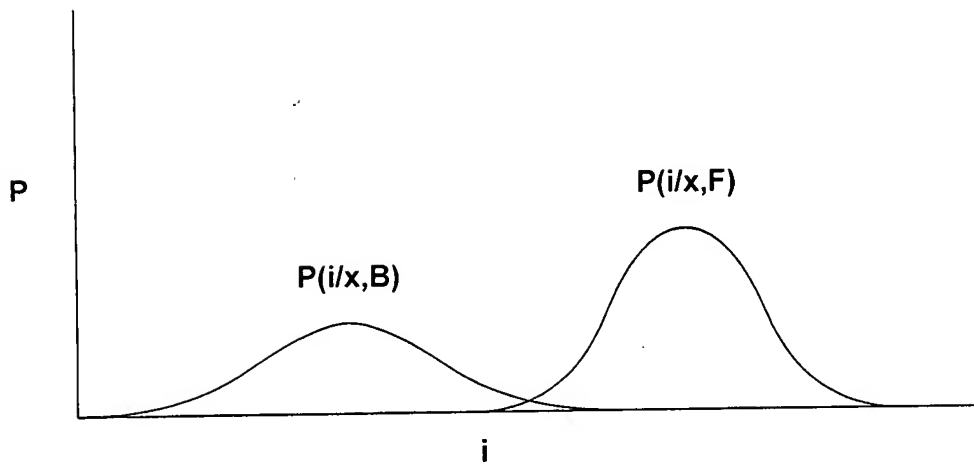


Figure 17A

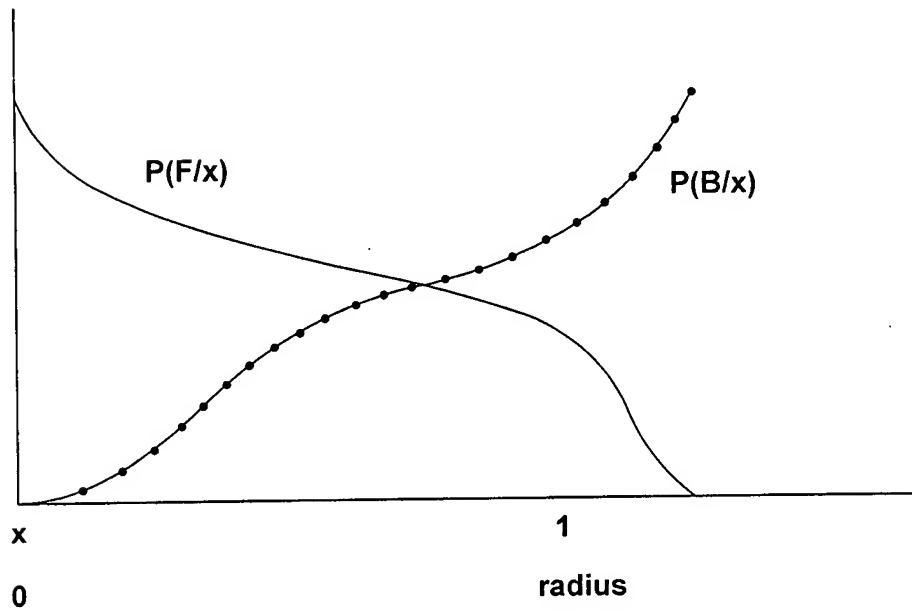
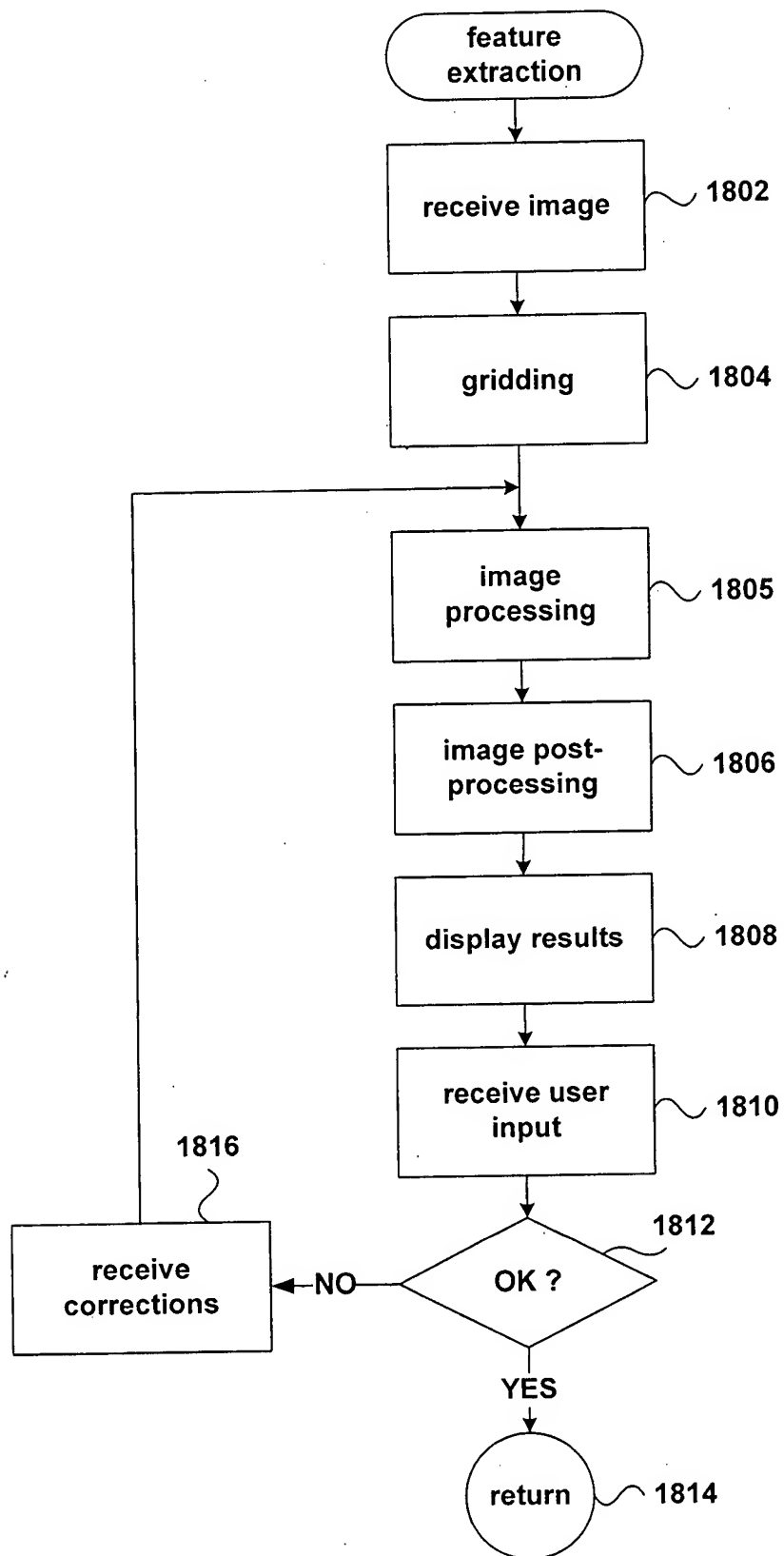
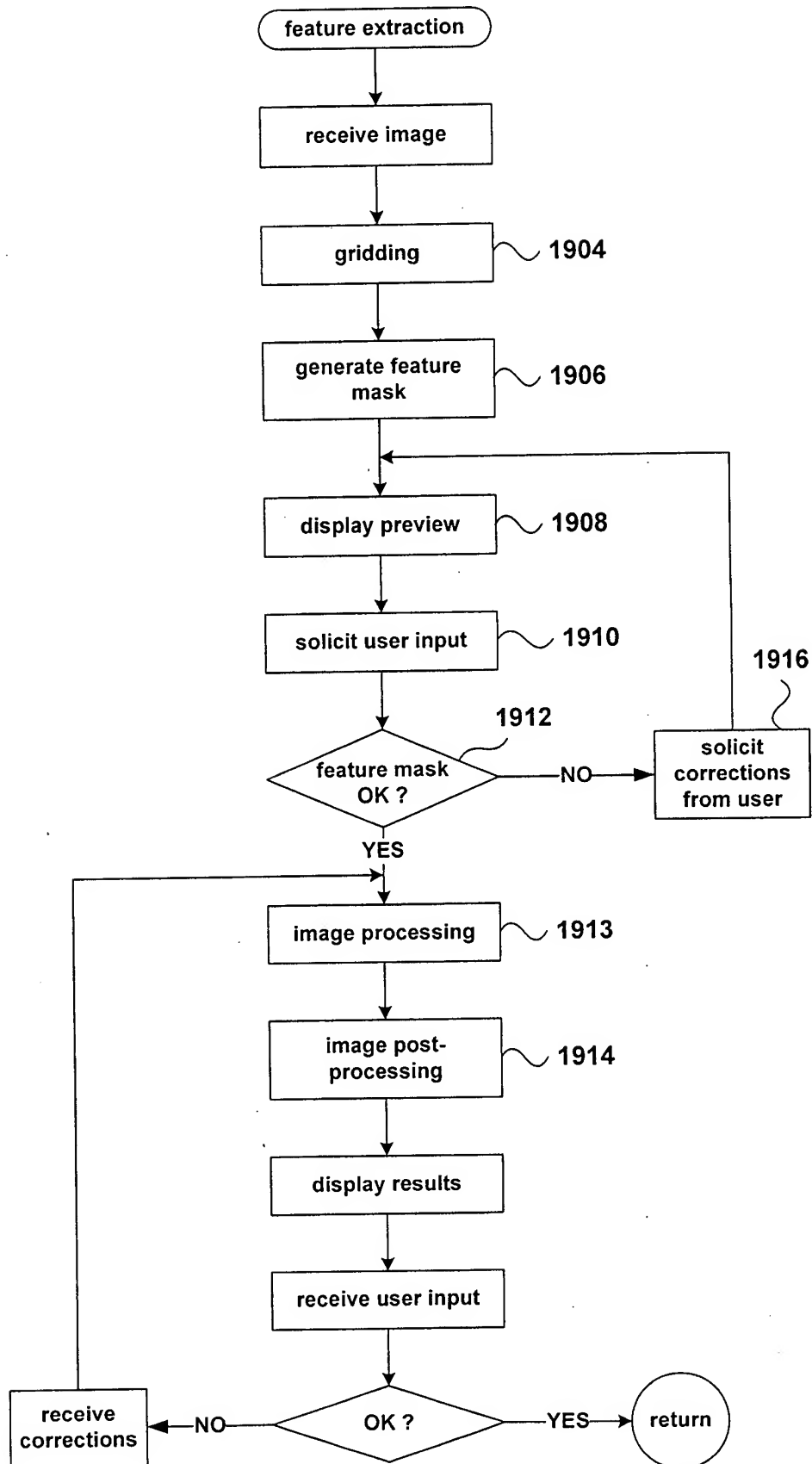


Figure 17B

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**Figure 18**

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**Figure 19**

Replacement Sheet

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Image Analysis Tool D:\FeatureExtraction\ThirdPartyArrays_Gridding_testRaymond Tablinzar Arrays SelfSelfAgilentAgilent"1

File View Edit Color Tools FeatureExtraction Window Help

D:\FeatureExtraction\ThirdPartyArrays_Gridding_testRaymond Tablinzar Arrays SelfSelfAgilent"1 Red/Green

Image Info Grid Definition Grid Adjustment

Main Grid

Array Label:

Corner of Array: Rotation:

Left: Top:

Subgrid

Col: Row:

Corner of Subgrid: Rotation: Skew:

Left: Top:

Spot Location

Col: Row:

Center X: Y:

SpotDiam X: Y:

ProbeName: probe_10296

GeneName:

☐ Ignore this feature

Apply Reset

(col_3300, row_793) Red 595 Green 514

Ready

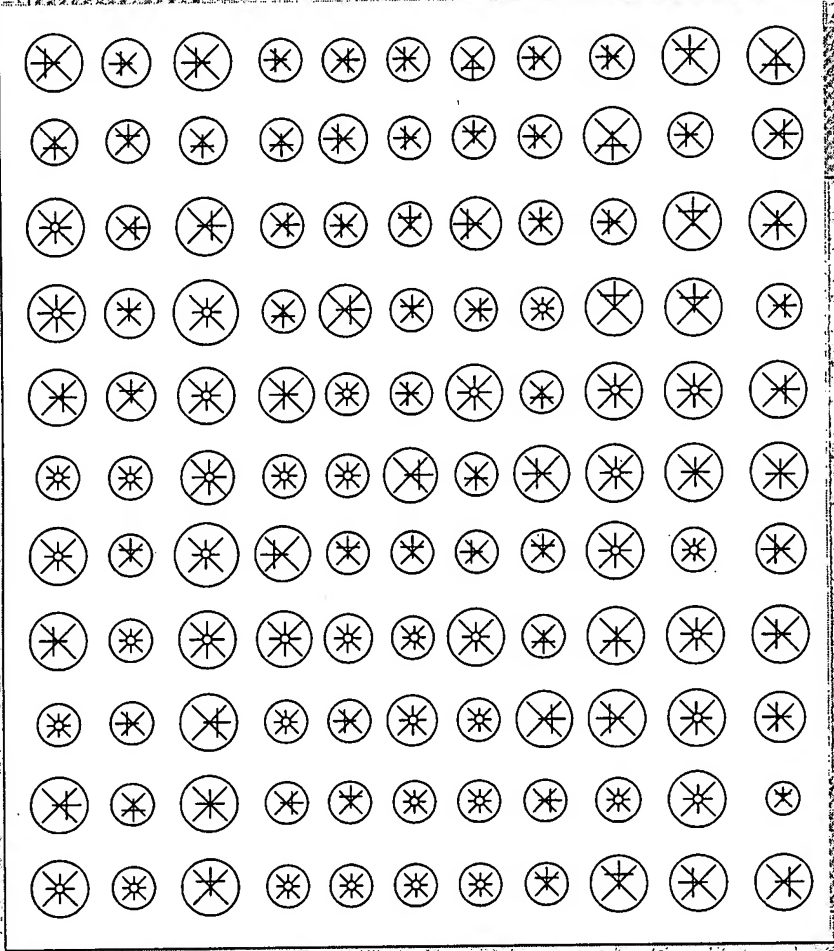


Figure 20